

COC# 93

11720 North Creek Pkwy N, Suite 400, Bothell, WA 98011-8244
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CHAIN OF CUSTODY REPORT

Work Order #: M106054

CLIENT: BRISTOL		INVOICE TO: BRISTOL										TURNAROUND REQUEST in Business Days* Organic & Inorganic Analyses <table border="1"><tr><td>10</td><td>7</td><td>5</td><td>4</td><td>3</td><td>2</td><td>1</td><td><1</td></tr></table> STD. Petroleum Hydrocarbon Analyses <table border="1"><tr><td>5</td><td>4</td><td>3</td><td>2</td><td>1</td><td><1</td></tr></table> STD. <table border="1"><tr><td>OTHER</td></tr></table> Please Specify *Turnaround Requests less than standard may incur Rush Charges.				10	7	5	4	3	2	1	<1	5	4	3	2	1	<1	OTHER
10	7	5	4	3	2	1	<1																							
5	4	3	2	1	<1																									
OTHER																														
REPORT TO: ANNE KRANAWETTER		P.O. NUMBER: 21090																												
ADDRESS: AMCHITKA ISLAND, ALASKA		REQUESTED ANALYSES																												
PHONE: 907-770-0974 FAX: 770-0975																														
PROJECT NAME: AMCHITKA																														
PROJECT NUMBER: 21090																														
SAMPLED BY:																														
CLIENT SAMPLE IDENTIFICATION	SAMPLING DATE/TIME											MATRIX (W, S, O)	# OF CONT.	COMMENTS	NCA WO ID															
1. 01AMC4101SL	6/16/01 1715	X										S	1																	
2. 01AMC4102SL	6/16/01 1735	X										S	1																	
3.																														
4.																														
5.																														
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11.																														
12.																														
13.																														
14.																														
15.																														
RELINQUISHED BY: Anne Kranawetter		DATE: 6/16/01		RECEIVED BY: Craig Bradle										DATE: 6/16/01																
PRINT NAME: Anne Kranawetter		TIME: 1757		PRINT NAME: Craig Bradle										TIME: 1758																
FIRM: BRISTOL		FIRM: NCA																												
RELINQUISHED BY:		DATE:		RECEIVED BY:										DATE:																
PRINT NAME:		TIME:		PRINT NAME:										TIME:																
FIRM:		FIRM:																												
ADDITIONAL REMARKS:														TEMP: 6.2C	PAGE 1 OF 1															



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541.383.9310 fax 541.382.7588

6 December, 2001

Anne Kranawetter
Bristol Environmental & Engineering
2000 W International Airport C#1
Anchorage, AK 99502-1116

RE: Amchitka

Enclosed are the results of analyses for samples received by the laboratory on 06/16/01 17:58. If you have any questions concerning this report, please feel free to contact me.

This report was recreated from a previously issued final report in order to provide an electronic copy. The final report used for these electronic copies may have been previously issued as an amended report due to client requested changes to sample names, etc. No data has changed since submission of the previously issued final, or amended, report.

Sincerely,

Stephen Wilson
Environmental Group Leader

Work Orders included in this report:

M106054



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Bristol Environmental & Engineering
2000 W International Airport C#1
Anchorage, AK 99502-1116

Project: Amchitka
Project Number: 21090
Project Manager: Anne Kranawetter

Reported:
06/19/01 13:07

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
01AMC4101SL	M106054-01	Soil	06/16/01 17:15	06/16/01 17:58
01AMC4102SL	M106054-02	Soil	06/16/01 17:35	06/16/01 17:58

C. O. C # 93

North Creek Analytical - Mobile Lab

Stephen Wilson, Environmental Group Leader

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

North Creek Analytical, Inc.
Environmental Laboratory Network

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Project: Amchitka
Project Number: 21090
Project Manager: Anne Kranawetter

Reported:
06/19/01 13:07

Hydrocarbon Identification per NW-TPH Methodology North Creek Analytical - Mobile Lab

Analyte	Result	Reporting Limit	Units	Dilution	Method	Prepared	Analyzed	Batch	Notes
01AMC4101SL (M106054-01) Soil						Sampled: 06/16/01 Received: 06/16/01			
Gasoline Range Hydrocarbons	10.7	9.83	mg/kg	1	NWTPH HCID	06/17/01	06/18/01	0106060	
Diesel Range Hydrocarbons	7140	24.6	"	"	"	"	"	"	E-01
Heavy Oil Range Hydrocarbons	280	49.2	"	"	"	"	"	"	D-11
<i>Surr: 1-Chlorooctadecane</i>	<i>NR</i>	<i>50-150</i>							<i>S-02</i>
01AMC4102SL (M106054-02) Soil						Sampled: 06/16/01 Received: 06/16/01			
Gasoline Range Hydrocarbons	355	10.0	mg/kg	1	NWTPH HCID	06/17/01	06/18/01	0106060	D-10
Diesel Range Hydrocarbons	16700	25.1	"	"	"	"	"	"	E-01
Heavy Oil Range Hydrocarbons	179	50.2	"	"	"	"	"	"	D-11
<i>Surr: 1-Chlorooctadecane</i>	<i>NR</i>	<i>50-150</i>							<i>S-02</i>

North Creek Analytical - Mobile Lab

Stephen Wilson, Environmental Group Leader

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Project: Amchitka
Project Number: 21090
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Reported:
06/19/01 13:07

Hydrocarbon Identification per NW-TPH Methodology - Quality Control

North Creek Analytical - Mobile Lab

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC Limits	RPD	RPD Limit	Notes
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Batch 0106060 - TPH-HCID (WA)

Blank (0106060-BLK1)

Prepared: 06/17/01 Analyzed: 06/18/01

Gasoline Range Hydrocarbons	ND	10.0	mg/kg
Diesel Range Hydrocarbons	ND	25.0	"
Heavy Oil Range Hydrocarbons	ND	50.0	"

<i>Surr: 1-Chlorooctadecane</i>	<i>10.5</i>		<i>"</i>	<i>10.0</i>	<i>105</i>	<i>50-150</i>
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Notes and Definitions

D-10 Detected hydrocarbons in the gasoline range appear to be due to overlap of diesel range hydrocarbons.

D-11 Detected hydrocarbons in the heavy/oil range appear to be due to overlap of diesel range hydrocarbons.

E-01 Estimated value. The reported value exceeds the calibration range of the analysis.

S-02 The surrogate recovery for this sample cannot be accurately quantified due to interference from coeluting organic compounds present in the sample.

DET Analyte DETECTED

ND Analyte NOT DETECTED at or above the reporting limit

NR Not Reported

dry Sample results reported on a dry weight basis. MRLs are adjusted if %Solids are less than 50%.

wet Sample results reported on a wet weight basis (as received)

RPD Relative Percent Difference

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Environmental Laboratory Network

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Items for Project Manager Review

LabNumber	Analysis	Analyte	Exception
			Report recreated from: \\sisters\elmnt\Report\M106054 FINAL 06 19 01 1307.mdb Default Report (not modified)
M106054-01	NW-HCID mod	1-Chlorooctadecane	S-02
M106054-01	NW-HCID mod	Diesel Range Hydrocarbons	E-01
M106054-01	NW-HCID mod	Heavy Oil Range Hydrocarbons	D-11
M106054-02	NW-HCID mod	Diesel Range Hydrocarbons	E-01
M106054-02	NW-HCID mod	Heavy Oil Range Hydrocarbons	D-11
M106054-02	NW-HCID mod	Gasoline Range Hydrocarbons	D-10
M106054-02	NW-HCID mod	1-Chlorooctadecane	S-02